FAYVILEVICH, G.A.; TOPPANOVA, G.A.; [illegible]

Investigating the kinetics of grain growth in 40Kh steel alloyed with zirconium and hafnium using the method of high temperature metallography. Sbor. trud. [illegible] no.38: 105-111 '64. (MIRA 18:?)

FAYVILEVICH, L.G.

Installation of auxiliary ship mechanisms with use of BKD plastics; practices of the Baltic plant. Rech.transp. 15 no.12:27-28 D '56. (Shipbuilding--Equipment and supplies) MLRA 10:2)

FAYVILEVICH, L.G., inzhener.

Installing diesel-electric engines. Sudostroenie 22 no.5:43 My '56.
(Marine diesel engines) (MIRA 9:9)

FAYVILEVICH, L.G., inzh.

New vessels launched from the Baltic Plant ways. Sudostroenie 22 [i.e.23] no.10:65-66 O '57. (MIRA 11:1)
(Leningrad--Ships--Launching)

FAYVILEVICH, L.G., inzh.

At the Baltic Yard. Sudostroenie 24 no.4:72-73 Ap '58.
(Shipbuilding) (MIRA 11:4)

231T45

FAYVILEVICH, Ya. A.

USSR/Engineering - Heat, Automatic Control Jun 52

"Experiment in the Automatization of Thermal Processes," F. G. Zhirnov, Engr, Lab of Automatic Regulation, VTI, Ya. A. Fayvilevich, Engr of GRES of Mosenergo

"Iz v-s Teplotekh Inst" No 6, pp 12-19

Discusses measures developed at GRES with cooperation of VTI for complete automatization of fuel combustion processes in all boiler furnaces, automatic control of steam temp,

231T45

automatic loading of all mills, and partial automatization of coal dust transportation. Outlines immediate tasks to be accomplished by station, such as electronic system of water feeding regulation, remote control of steam and water values, remote and automatic control of temp of bearings, and other works connected with complex automatization.

231T45

VASIL'YEV, N.S.; KASIMOV, V.I.; KALININ, G.A.; KUVAKIN, V.P.; MEDVEDEV, A.P.; FAYVILEVICH, Ya.A.; KHRIPUNOV, V.P.; YERMAKOV, D.A., redaktor; [illegible], T.P., redaktor; OSTROVSKIY, Ya.M., redaktor; RYL'SKAYA, D.D., redaktor; FRIDKIN, A.M., tekhnicheskiy redaktor

[Experience in operating the Kashira Hydroelectric Power Station] Opyt ekspluatatsii Kashirskoi GRES. Moskva, Gos. energ. izd-vo, 1956. 179 p. (MIRA 9:9)
(Kashira Hydroelectric Power Station)

8(6), 14(6)

SOV/112-59-4-6631

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 4, pp 34-35 (USSR)

AUTHOR: Fayvilevich, Ya. A.

TITLE: Organization of Work in the Thermal-Control and Automation Department of the Kashira Regional Electric Power Station

PERIODICAL: Sb. inform. materialov Mosenergo, 1957, Nr 14, pp 116-123

ABSTRACT: Contents of projects, organizational structure, and a list of the equipment serviced by the workers of the KIP Department, Kashira Station, are set forth. The structural scheme of the Department is presented, the number of workers and their qualifications are indicated. Equipment and instruments in the shops and laboratories are listed. The organization of work adopted in the Department has permitted attaining a high labor productivity and carrying out all installation and adjustment of new equipment.

Ya.V.P.

Card 1/1

FAYVILOVICH, A.

On the 40th anniversary of the YAkut A.S.S.R. Grazhd. av. 19 no.4:3 Ap '62. (MIRA 15:5)
(Yakutia--Aeronautics, Commercial)

FAYVISHENKO, E.L., doktor meditsinskikh nauk.

Pulmonary cystoid formations of traumatic origin. Khirurgiia no.12: 37-40 D '53. (MLRA 7:1)

1. Iz Sverdlovskogo instituta vosstanovitel'noy khirurgii (direktor - professor F.R.Bogdanov). (Lungs) (Cysts)

KLIMOV, K.M., professor, laureat Stalinskoy premii; SMIRNOV,Ye. professor; KIRILLOV, B.K., professor, FAYVISHENKO, E.L., professor, MUKHIN, M.V. professor; BAL', professor, MOKHNENKO-CHARKVIANI, A.Ye., doktor meditsinskikh nauk; SAKHAROV, M.I., doktor meditsinskikh nauk; MAKAROV, M.P., dotsent; BUTIKOVA, N.I., dotsent; SHKLOMOVA, T.P., kandidat meditsinskikh nauk; RAKITINA, L.N., kandidat meditsinskikh nauk; KAMPEL'MAKHER, Ya.A., kandidat meditsinskikh nauk.

Forty years of Professor A.T.Lidskii's scientific, medical and pedagogical activities. Khirurgiia no.6:82-83 Je '55 (MIRA 8:10)
(LIDSKII, ARKADII TIMOFEEVICH)

KOTON, I., nauchnyy sotrudnik; FAYVISHENKO, L. I., nauchnyy sotrudnik.

Reducing the number of engineers and technicians in railroad units.
Sots.trud no.6:125-127 Je '57. (MLRA 10:7)

1. Organizatsiya proizvodstva chernoy metallurgii.
(Railroads, Industrial--Employees)

DORFMAN, B.A., inzh., nauchnyy sotrudnik; FAYVISHENKO, L.I., inzh., nauchnyy sotrudnik; KHAZANOVICH, N.L., inzh., nauchnyy sotrudnik; KHALIN, P.G., inzh., nauchnyy sotrudnik; PEYCHEV, G.P., otv.red.; BELINA, R.A., red.izd-va; ANDREYEV, S.P., tekhn.red.

[Track maintenance at iron and steel mills] Opyt raboty putеitsev zheleznodorozhnogo transporta predpriiatii chernoi metallurgii. Khar'kov, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1959. 101 p. (MIRA 12:10)

1. Kharkov. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii proizvodstva i truda chernoy metallurgii. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii proizvodstva i truda chernoy metallurgii (for Dorfman, Fayvishenko, Khazanovich, Khalin).
(Railroads, Industrial) (Railroads--Track)

DORFMAN, B.; FAYVISHENKO, L.

Methodology for calculating the increase of workers' productivity in the railroad workshops of metallurgical plants taking the expansion of production into consideration. Biul.nauch.inform.: trud i zar. plata 4 no.6:20-25 '61. (MIRA 14:6)
(Steel industry) (Railroads, Industrial—Labor productivity)

VARTANYAN, M.Ye.; KAZANETS, E.F.; LIBERMAN, Yu.I.; FAYVISHEVSKIY, V.A.

Statistical analysis of late sequelae from a closed injury of the head. Vop. psikh. no.4:284-289 '60. (MIRA 15:2)
(HEAD--WOUNDS AND INJURIES)

NEMTSOV, A.V.; FAYVISHEVSKIY, V.A.

Effect of blood serum from schizophrenics on the electrical activity of the brain in experimental animals. Report No.3: Multicomponent properties of the active factor of the blood serum from patients with periodic schizophrenia. Zhur. nevr. i psikh. 65 no.8:1197-1200 '65. (MIRA 18:8)

1. Laboratoriya neyrofiziologii i vysshey nervnoy deyatel'nosti (zaveduyushchiy K.K. Monakhov) Instituta psikhiatrii AMN SSSR, Moskva.

FAYVISHEVSKIY, V.A.; NEMTSOV, A.V.

Effect of the blood serum of schizophrenia patients on the electrical activity of the brain in experimental animals. Report No.2: Study on the blood serum of patients with the nuclear forms of schizophrenia. Zhur. nevr. i psikh. 65 no.2: 247-250 '65. (MIRA 18:9)

1. Laboratoriya neyrofiziologii i vysshey nervnoy deyatel'nosti (zaveduyushchiy K.K. Monakhov) Instituta psikhiatrii AMN SSSR, Moskva.

POPOV, V.M., inzh.; FAYVUSH, M.Ya.

Overall mechanization of the fuel transport department of a thermal electric power plant. Elek. stat. 35 no.1:84-85 Ja '64.
(MIRA 17:6)

FAYVUSHEVICH, Vladimir Mikhaylovich; KOVAL', Nikolay Andreyevich; VERETE, Arnol'd Grigor'yevich; LALAYEV, Georgiy Georgiyevich; KARAMUSHKO, F.D., retsenzent; SHADRIN, Ye.V., retsenzent; LUBOCHKIN, B.I., red.; SANDLER, N.V., red.izd-va; KOTLYAKOVA, O.I., tekhn.red.

[Boiler operator's manual]Uchebnik kotel'nogo mashinista. Leningrad, Izd-vo "Morskoi transport," 1962. 505 p. (MIRA 15:11)

(Boilers, Marine--Habdbooks, manuals, etc.)

AKULOV, L.S.; ACHIL'DIYEV, U.I.; VOLOSOV, G.D.; GORDON, L.I.; GRIN, G.V.; GROMOV, M.A.; KIRILLOV, A.Ya.; LIFSHITS, N.I.; MITROPOL'SKIY, A.V.; RAYSKIY, I.D.; SMIRNOV, V.B.; FAYVUSOVICH, A.Kh.; FEDOROVA, I.Yu.; TSYPIN, I.M.; CHEKHOVICH, D.I.; ISHKOVA, A.I., red.; KISELEVA, A.A., tekh.red.

[Handbook on equipment for commercial enterprises and public food service] Spravochnik po oborudovaniiu dlia predpriiatii torgovli i obshchestvennogo pitaniia. Izd.2., dop. Moskva, Gos. izd-vo torg. lit-ry, 1960. 333 p. (MIRA 14:10)
(Restaurants, lunchrooms, etc.--Equipment and supplies)

LIFSHITS, N.I., inzh.; FAYVUSOVICH, A.Kh.

Mechanization and automation of loading and unloading in warehouses. Mekh.i avtom.proizv. 17 no.1:35-39 Ja '63. (MIRA 16:2)

(Automation) (Loading and unloading)

PAVLOV, I.A. and ANDRIANOV, V.

Samolet bez letchika i upravlenie im po radio. [Aircraft without pilot and navigation by radio]. Moskva, Aviakhim, 1925, 43 p. illus.

SO: Soviet Transportation and Communication, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

FAYVUSH, M.

USSR/Chemistry - Aromatic Compounds; Isotopes 21 Jul 51

"Mobility of Hydrogen in Aromatic Compounds," A. I. Shatenshteyn, E. M. Dykhno, Ye. A. Izrailevich, L. N. Vasil'yeva, M. Fayvush, Sci Res Phys Chem Inst imeni L. Ya. Karpov

"Dok Ak Nauk SSSR" Vol LXXIX, No 3, pp 479-482

Using liquid deutero-ammonia in the presence of potassium amide, found that rate of isotope exchange increases with the number of rings from benzene to phenanthrene. All hydrogen atoms in toluene, m-xylene, mesitylene, methylnaphthalene, anisole, methoxynaphthalene, dimethylaniline, triphenylmethane, and flourene are exchanged. In completely hydrogenated aromatics the rate of exchange is greatly impeded. Electroneg substituents increase the rate of exchange while electropos substituents reduce it. In toluene, the rate of exchange of methyl hydrogen atoms is 100 times greater than that of nuclear hydrogen atoms.

PA 211T24

FAYVUSH, M.Ya., inzh.

Automatizing the work of the waterside pumphouse. Elek. sta. 29 no.7: 78-79 Jl '58. (MIRA 11:10)
(Electric power plants) (Pumping machinery)

LUBOCHKIN, Boris Iosifovich, dotsent, kand.tekhn.nauk; LYSENKO, Vsevolod Konstantinovich, dotsent, kand.tekhn.nauk; FAYVUSHEVICH, V.M., retsenzent; KOLESNIKOV, O.G., starshiy prepodavatel', retsenzent; ALEKSANDROV, L.A., red. Prinimal uchastiye KUDINOV, N.N., red.; TIKHONOVA, Ye.A., tekhn.red.

[Marine steam boilers and their operation] Sudovye parovye kotly i ikh ekspluatatsiia. Izd-vo "Morskoi transport," 1960. 590 p. (MIRA 14:4)

1. Zamestitel' nachal'nika Leningradskogo Arkticheskogo uchilishcha (for Fayvushevich). 2. Rostovskoye-na-Donu morekhodnoye uchilishche (for Kolesnikov).
(Boilers, Marine)

PAYVUSHEVICH, Vladimir Mikhaylovich; SHELUCHENKO, V.M., nauchn. red.; GORYANSKIY, Yu.V., red.izd-va; KOTLYAKOVA, O.I., tekhn. red.

[Maintenance and repair of marine internal combustion engines] Remont sudovykh dvigatelei vnutrennego sgoraniia. Leningrad, Izd-vo "Morskoi transport," 1963. 206 p. (MIRA 16:12)
(Marine engines—Maintenance and repair)

FAYVUSHEVICH, V.

Leningrad School of Arctic Studies faces a new school year. Mor. flot 20 no.9:39-40 S '60. (MIRA 13:9)

1. Zamestitel' nachal'nika Leningradskogo arkticheskogo uchilishcha. (Leningrad--Navigation--Study and teaching) (Arctic regions)

Fayvusovich, A. Kh

KAMINSKIY, M.; FAYVUSOVICH, A.

Mechanizing transportation of freight within food stores.
Sov.torg. no.10:22-23 O '57. (MIRA 10:11)
(Freight and freightage)

FAYVUSOVICH, A.

Mechanizing the handling of goods at commercial warehouses. Sov. torg. 34 no.12:51-53 D '60. (MIRA 13:12)
(Warehouses--Equipment and supplies)

SHINKARENKO, I.; TUL'CHINSKIY, P.; FAYVUSOVICH, A.;

Mesh-reinforced concrete roofs for industrial buildings. Prom. stroi. i inzh. soor. 5 no.3:14-18 My-Je '63. (MIRA 16:7)

1. Glavnyy inzh. tresta "Luganskpromstroy" (for Shinkarenko). 2. Glavnnye konstruktory Luganskogo filiala Nauchno-issledovatel'skogo instituta po stroitel'svtu v yuzhnykh rayonakh SSSR.

(Roofing, Concrete)

AKULOV, L.S.; ACHIL'DIYEV, U.I.; VOLOSOV, G.D.; GORDON, L.I.; GRIN, G.V.; GROMOV, M.A.; KIRILLOV, A.Ya.; LIFSHITS, N.I.; MITROPOL'SKIY, A.V.; RAYSKIY, I.D.; SMIRNOV, V.B.; FAYVUSOVICH, A.Kh.; FEDOROVA, I.Yu.; TSYPIN, I.M.; CHEKHOVICH, D.I.; ISHKOVA, I.K., red.; SUDAK, D.M., tekhn.red.

[Handbook on equipment for commercial enterprises and public food service] Spravochnik po oborudovaniiu dlia predpriiatii torgovli i obshchestvennogo pitaniia. Moskva, Gos.izd-vo torg.lit-ry, 1959. 322 p. (MIRA 12:12)

1. Inzhenerno-tekhnicheskiye rabotniki Upravleniya torgovogo oborudovaniya i TSentral'nogo konstruktorskogo byuro torgovogo mashinostroyeniya (for all except Ishkova, Sudak).
(Business enterprises--Equipment and supplies)
(Restaurants, lunchrooms, etc.--Equipment and supplies)

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S/070/60/005/004/012/012
E132/E360

15.2210

AUTHORS: Bashuk, R.P., Basayev, V.P., Tsadkina, R.B. and Fayvusovich, S.A.

TITLE: The Hydrothermal Synthesis of Corundum with Impurities

PERIODICAL: Kristallografiya, 1960, Vol. 5, No. 4, pp.666-667

TEXT: The exploitation of paramagnetic materials based on the corundum structure demands the introduction into the lattice of paramagnetic ions. Cr can be introduced by the Verneuil process but not Fe, Ti nor other elements. Nevertheless, natural specimens exist with significant quantities of these impurities. The hydrothermal methods successfully used in the USSR for growing quartz can also be used for corundum. Specimens made in this way were tested radiospectroscopically and by X-ray methods. It has been shown that Fe^{+++} ions entered the lattice isomorphously replacing the Al^{+++} ions. The concentrations achieved were one or two orders of magnitude greater than could be achieved by the Verneuil process. Spherical seeds gave crystals with the following simple forms: $\{0001\}$, $\{10\bar{1}1\}$, $\{22\bar{4}3\}$ and $\{22\bar{4}1\}$. There are 2 figures and 2 references: 1 German and 1 English.

SUBMITTED: March 22, 1960

Card 1/1

EWT(m)/EPF(c)/T Pr-4 WE

AR: AP5013504

[illegible], N. N. (Engineer, Commander, [illegible])

TITLE: Peculiarities of operating diesel engines on high-sulfur fuel

SOURCE: Morskoy sbornik, no. 3, 1965, 75-77

TOPIC TAGS: diesel, fuel, sulfur, corrosion, cooling system, metal wear / 37 DR diesel engine

ABSTRACT: An explanation is proposed and a remedy is suggested for the rapid wear of pistons and other parts of diesel engines operated on high-sulfur fuels. It is explained that water vapor in the blown air interacts [illegible] products to form sulfuric acid. [illegible] materials, attacks the [illegible] areas. Two examples of damage and lowered efficiency [illegible] presented in detail. To lower the corrosive action of [illegible], the temperature of cooling water must be raised. According to M. A. Bruk and A. Rikhter (Rezhimy raboty sudovykh dizeley. 1963, 149-152), the wear

Card 1/2

~ [illegible]-65

ACCESSION NR: AP5013504

if diesel cylinders is lowered by a factor of 12 when the temperature [illegible] raised by 45-70C. In some high-speed [illegible] which are presently being warmed, [illegible] operation will have to be [illegible] water for main engine [illegible] Area heating units will [illegible] low the cooling system to all [illegible] be either the steam from auxiliary [illegible] a figure.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: PR, FP

NO REF SOV: 001 OTHER: 000

Card 2/2

FAYER, S.M.

Absorption of sulfur dioxide by solutions of potassium hydroxide. M. Kh. Kishinevskii and S. M. Fayer. *J. Appl. Chem. U.S.S.R.* 26, 537–41(1953)(Engl. translation). See *C.A.* 48, 07944b.

H, L, H

(1)

FAYER, S. M.

FAYER, S.M.

(3)

Absorption of sulfur dioxide by solutions of potassium hydroxide. M. Kh. Kishinevskii and S. M. Faier (State Univ., Kishinev). *Zhur. Prikład. Khim.* 26, 670–83(1953); cf. *C.A.* 46, 10804h.—The rate of absorption of SO_2 by solns. of KOH under vigorous stirring of the liquid phase was detd., and the data were found to conform to the theoretical equation deduced from the kinetics of the process: $dw/dt = (c + s)/\rho$, where c is the concn. of the active component of the absorber, and s is the soly. of SO_2 in the neutralized, up to the bisulfate, surface layer, resp. ρ, a hydrodynamic const., calcd. by means of this equation was found to be const. for a given temp. and rate of stirring. I. Bencowitz

- Lab. Phys. Chem.

FAYERMARK, S.S.

Use of microbiological analysis by the sanitary inspection organization for food enterprises. Gig. i san. 21 no.11:95 N '56. (MLRA 10:2)
(FOOD ADULTERATION AND INSPECTION)

FAYYERSHTEYN, L.M., inzh.

Study of an efficient automatic control network of a gas contact-type water heater. Prom.energ. 20 no.12:33-38 D '65. (MIRA 18:12)

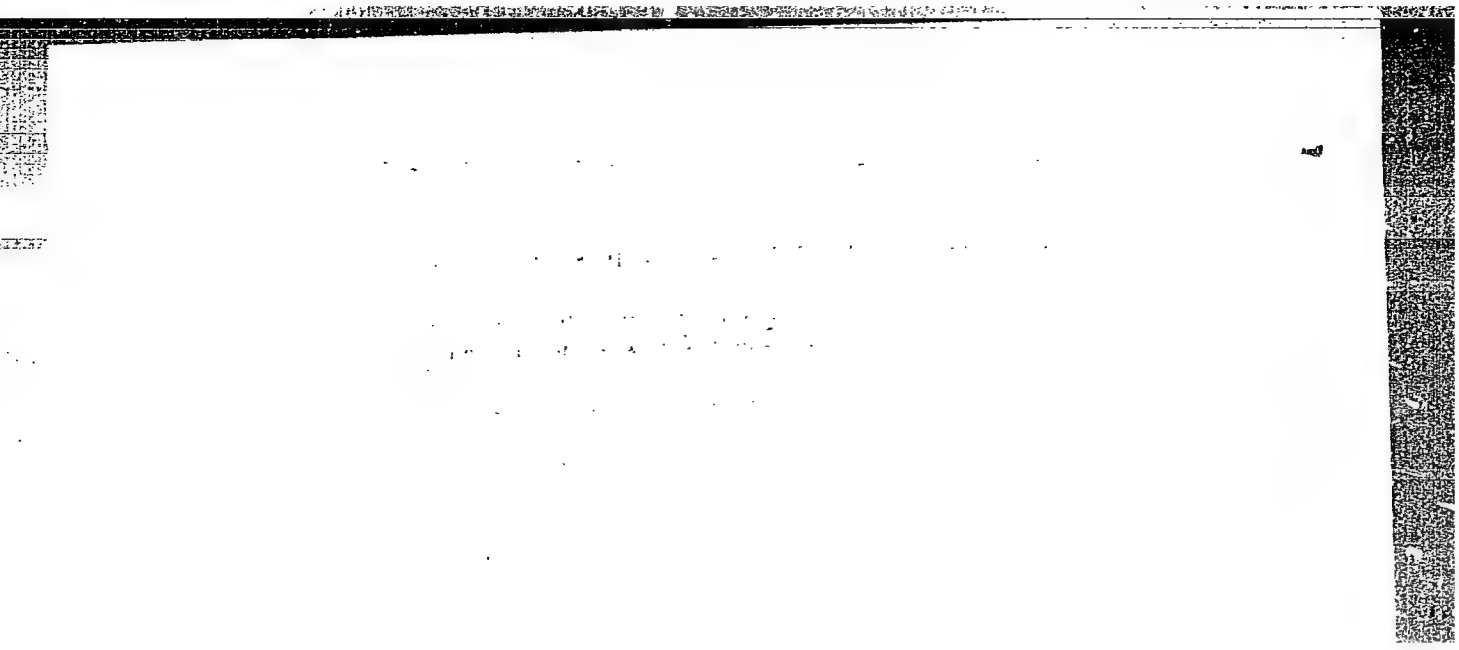
DENISOV, Nikolay Stepanovich; FAYYERSHTEYN, P., red.; YURGANOVA, M., tekhn. red.

[Lights of Transbaikal industry; industry of Chita Province from the 20th to the 22d Congress of the CPSU]Ogni zabaikal'skoi industrii; promyshlennost' Chitinskoi oblasti ot XX do XXII s"ezda KPSS. Chita, Chitinskoe knizhnoe izd-vo, 1961. 94 p. (MIRA 15:12)

(Chita Province—Industries)

PAKTORIS, Ye.A.; KREYEK, Kh.Ya.; PODSEDLOVSKIY, T.S.; SPOTARENKO, S.S.; FAYYERSHTEYN, S.G.

Results of mass use of gamma globulin during the pre-epidemic season in the prophylaxis of epidemic hepatitis. Vop.med.virus. no.9:392-408 '64. (MIRA 18:4)



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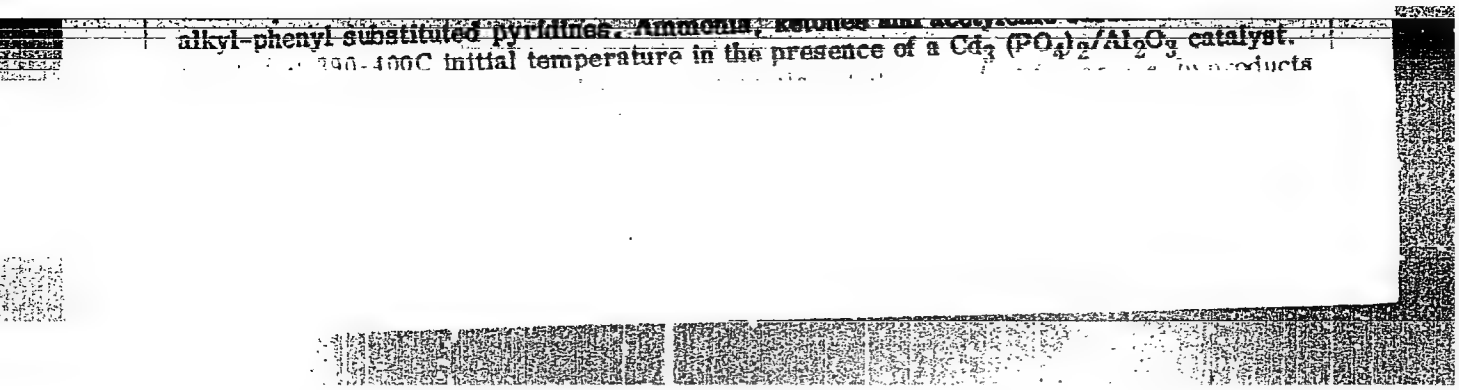

AP5008108

4,5-dimethyl-6-ethylpyridine, and as by-products an unidentified compound $C_{10}H_{15}N$,

2,3-dimethyl-6-ethylpyridine, and as byproducts an unidentified compound $C_{10}H_{15}N$; 2,3,6-trimethylpyridine and pentamethylpyridine. Byproducts were shown to be formed by reaction of ammonia with ketones, present as initial reagents or produced by decomposition

a reversed Favorski's reac

OTHER:

FAYZI, Karoly, dr.; TOMPA, Ferenc, dr.; FORRO, Istvan, dr.

Circumscribed pulmonary aspergillosis. Tuberkulozis 17 no.8: 239-244 Ag '64.

1. A Matrahazai All. TBC Gyogyintezet [illegible] a Szamuely Tibor TBC Gondozo es Gyogyintezet kozlemenye.

SLOVOKHOTOVA, N.A.; FAYZI, N.A.; ZEMLYANSKIY, N.N.; PANOV, Ye.M.; KOCHESHKOV, K.A.

Structure of some organotin salts of carboxylic acids. Zhur. ob. khim. 33 no.8:2610-2613 Ag '63. (MIRA 16:11)

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24.3500

S/051/60/008/06/020/024
E201/E691

AUTHORS: Levshin, V.L. and Faysi, M.Kh.

TITLE: Investigation of the Thermal Activation Energy of a [Luminescence] Flash and the Localisation Levels in CaS-Based Phosphors

PERIODICAL: Optika i spektroskopiya, 1960, Vol 8, Nr 6, pp 875-877 (USSR)

ABSTRACT: The thermal activation energy of a luminescence flash is that energy (supplied by the thermal vibrations of the lattice) which is necessary to transfer electrons from deep localization levels to more shallow ones so that they produce a flash when stimulated with infrared light. The following phosphors were investigated: CaS; Ca-Sm(3×10^{-5}); CaS-Cu(2.3×10^{-4}); CaS-Bi(3×10^{-5}); CaS-Bi(3×10^{-5}),Ce(1.4×10^{-4}); CaS-Bi(3×10^{-5}),Eu(1.3×10^{-4}); CaS-Bi(3×10^{-5}),Pr(1.4×10^{-4}); CaS-Sm(3×10^{-5}),Cu(2.3×10^{-4}); CaS-Sm(3×10^{-5}),Ce(10^{-4}). The phosphors were prepared from $CaCO_3$ which was heated to 1000°C to form CaO. Na_2SO_4 flux was used in the amount of 4%. The temperature and duration of final calcination were 1050°C and 25 min. The luminescence flash and thermoluminescence were investigated using apparatus described earlier (Ref 5). Thermoluminescence curves are given in a figure on

Card 1/3

Investigation of the Thermal Activation Energy of a [Luminescence] Flash and the Localization Levels in CaS-Based Phosphors

p 876; they show the effect of activators on formation of localization levels. To study the luminescence flash the authors used the phosphors CaS-Sm,Cu and CaS-Sm,Ce whose flashes had low inertia and which had negligible secondary phosphorescence. These two phosphors had five localization levels, the most important of which were those represented by thermoluminescence peaks at +30°C and 150°C. To find the thermal activation energy, ΔE, of the +150°C level of CaS-Sm,Cu the phosphor was excited for 10 min at +80°C; to find ΔE of the +30°C levels of CaS-Sm,Cu and CaS-Sm,Ce the phosphors were excited at +7-10°C. Then the flashes were stimulated at various temperatures with infrared radiation of 0.8-1.2 μ wavelengths. The thermal activation energy of the flash was found from:

$$\lg \frac{I_o}{I_b} = 0.43 \frac{\Delta E}{kT}, \qquad (2)$$

where I_b/I_o is the relative luminance of the flash at a temperature T.

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S/051/60/008/06/020/024
E201/E691

Investigation of the Thermal Activation Energy of a [Luminescence] Flash and the Localization Levels in CaS-Based Phosphors

The mean values of ΔE were 0.18 and 0.35 eV respectively for the +30 and +150°C levels of CaS-Sm,Cu, and 0.25 eV for the +30°C level of CaS-Sm,Ce. There are 1 figure, 1 table and 5 Soviet references.

SUBMITTED: November 11, 1959

Card 3/3

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S/020/61/138/004/013/023
B103/B203

AUTHORS: Gol'dshteyn, I. P., Fayzi, N. Kh., Slovokhotova, N. A., Gur'yanova, Ye. N., Viktorova, I. M., and Kocheshkov, K. A., Corresponding Member AS USSR

TITLE: Complexes of diphenyl ethylene with tin tetrachloride and organo-tin chlorides

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 138, no. 4, 1961, 839-842

TEXT: The authors studied complexes of asymmetric diphenyl ethylene (DPE) with $SnCl_4$, $C_6H_5SnCl_3$, and $(C_6H_5)_2SnCl_2$. The catalytic activity of $SnCl_4$ is explained with the formation of π-complexes with monomers without ever clarifying the nature of these complexes. The authors studied then by (A) infrared spectra, (B) electron spectra, and (C) dielectric polarization. In previous papers (I. P. Gol'dshteyn et al., Ref. 4: DAN, 136, No. 5 (1961)) it had been found by method (C) that the mentioned compounds formed a series according to their capability of forming complexes with dioxane: $SnCl_4 > C_6H_5SnCl_3 \gg (C_6H_5)_2SnCl_2$. The authors tried to find out whether or

Card 1/5

Complexes of diphenyl ethylene with tin...

not this series was also maintained in complexes with monomers. The following systems were studied: (a) $SnCl_4$ + DPE, (b) $C_6H_5SnCl_3$ + DPE, (c) $(C_6H_5)_2SnCl_2$ + DPE, (d) $SnCl_4$ + DPE + DPE-dimer, and (e) $C_6H_5SnCl_3$ + DPE + DPE-dimer. (A) The spectra were taken with a split-beam spectrophotometer H-800 (N-800) with fluorite cuvettes and Teflon insertions (20 μ). The mixtures were prepared in an airtight chamber in dry nitrogen and filled into cuvettes. $SnCl_4$ and $C_6H_5SnCl_3$ in DPE give green solutions with an absorption band 610 mμ and an intensive absorption below 500 mμ. (B) The electron spectra were taken with an CΦ-4 (SF-4) spectrophotometer in benzene solution. Results of (A): As compared with the spectra of pure DPE, the spectra of systems (a) and (b) show considerable changes: (1) The bands of the region 1612, 1420 - 1400, and 1335 cm^{-1} disappear, the intensity of the band 1578 cm^{-1} decreases strongly. They are all connected with the double bond in the molecule of diphenyl ethylene. The band 1615 cm^{-1} belongs to the stretching vibrations of the C = C double bond whose frequency is reduced owing to the conjunction with phenyl rings. The bands 1400 and 1330 cm^{-1} belong to the deformation vibrations of the methylene group on the double bond. The band 1578 cm^{-1} belongs to the vibrations of

Card 2/5

the phenyl ring. Its intensity increases strongly due to the interaction with the conjugate double bonds. (2) New bands appear in the regions 1376, 1250, and 1220 cm^{-1}. (3) The band 1605 cm^{-1} of the benzene ring vibration is slightly shifted, and its intensity increases. Besides, the authors measured the spectrum of the solution of the DPE dimer in DPE to prove that the above-mentioned changes (1)-(3) are not connected with the appearance of the dimer in the above systems. This spectrum shows two additional bands which are absent in the spectrum of the monomer. The band 1665 cm^{-1} belongs to the stretching vibrations of the C = C bond in the dimer. The band 1285 cm^{-1} possibly belongs to the CH deformation vibrations on the double bond. None of these two bands appears in the spectra of systems (a) and (b). The authors consider this fact as a proof that the changes (1)-(3) in the infrared spectra are not caused by the dimer but by the intermediates of the interaction of DPE with the tin halides. Further spectral data suggest that the dimer also forms complexes with $SnCl_4$ and $C_6H_5SnCl_3$. (C) The authors measured the dipole moment of DPE in benzene solution with excess $SnCl_4$, and obtained the value 1D. Thus, it lies by 0.7-0.8 D higher than the dipole moment in benzene. For these reasons, the

Complexes of diphenyl ethylene with tin...

authors think that the band 480 mμ (contrary to statements made by A. G. Evans et al. (see below)) cannot be explained with carbonium ions. The absorption band in the region 610 mμ may be ascribed to the π-complex. According to A. N. Terenin et al. (Ref. 10: Optika i spektroskopiya, 3, 480 (1957); Izv. AN SSSR, OKhN, 1958, 1100), the frequency of the valency formation decreases by 115-195 cm^{-1} in the complex formation from cyclohexane and $SnCl_4$; besides, absorption bands appear in the region 1400-1340 and 1200 cm^{-1}. The band 1525 cm^{-1} in systems (d) and (e) is ascribed to the reduced (by 140 cm^{-1}) frequency of vibrations of the double bond in the π-complex of the dimer with the tin halides. In contrast to systems (a) and (b), the authors had not found any indications of a formation of π-complexes in system (c). The solutions of the latter in benzene are colorless, and no changes were observed in their infrared spectrum as compared with the spectra of components. Thus, the authors proved that the above-mentioned order was also maintained in the case of complexes with monomers. They conclude that $C_6H_5SnCl_3$ can also be a catalyst for the polymerization of olefins whereas this cannot be expected for $(C_6H_5)_2SnCl_2$. There are 3 figures, 1 table, and 10 references: 5 Soviet-bloc and 5 non-

Card 4/5

24052
S/020/61/138/004/013/023
B103/B203

Complexes of diphenyl ethylene with tin...

Soviet-bloc. The 4 references to English-language publications read as follows: Ref. 1: P. H. Plesh, Cationic Polimerisation and Related Complexes, London, 1953; Ref. 6: N. Shappard, D. M. Simpson, Quart. Rev., 6, 1 (1952); Ref. 8: A. G. Evans et al., J. Chem. Soc., 2975, 1957, 105; 1956, 2757; 1955, 1524; Ref. 9: G. E. Coates, L. E. Sunou, J. Chem. Soc., 1942, 567.

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physico-chemical Institute imeni L. Ya. Karpov)

SUBMITTED: December 23, 1960

X

Card 5/5

L 41188-66 EWT(m)/T/EWP(j) IJP(c) RM/GG

ACC NR: AP6023427 SOURCE CODE: UR/0190/66/008/007/1180/1184

AUTHOR: Kurilenko, A. I.; Nikulina, I. G.; Fayzi, N. Kh.

ORG: none

TITLE: Electrical conductivity study of the polymerization kinetics of unsaturated oligomers exposed to Co^{60} gamma radiation

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 7, 1966, 1180-1184

TOPIC TAGS: polymerization kinetics, polyester plastic, oligomer, electric conductivity, ionizing radiation, radiation effect, gamma radiation

ABSTRACT: Polymerization induced by ionizing radiation was studied for the first time by means of the electrical conductivity method proposed by R. W. Warfield and M. C. Petree (J. Polymer Sci., 37, 305, 1959) for studying the kinetics of thermal curing of resins. The experiments involved the unsaturated polyester resin PN-1. Measurements of the volume conductivity ρ_v of the resin during polymerization were compared with data on the degree of polymerization, obtained by measuring the concentration of -C=C- double bonds by IR spectroscopy and the content of the gel fraction by extraction. It was thus shown that the degree of polymerization can be obtained from ρ_v. The polymerization kinetics of PN-1 were determined in the range of 30 to 85°C at dose rates from 50 to 318 r/sec. The kinetic data showed that the curing process is governed by

Card 1/2 UDC: 66.095.26+678.674

L 41188-66
ACC NR: AP6023427

a radical mechanism involving bimolecular chain breaking. Orig. art. has: 9 figures and 2 formulas.

SUB CODE: 07/ SUBM DATE: 19Apr65/ ORIG REF: 004/ OTH REF: 002

Card 2/2 mlf

FAYZIBAYEV, E.

Uniqueness of the solution to a nonlinear differential equation of the second order. Izv. AN Uz. SSR. Ser.fiz.-mat. nauk 9 no.6:82-83 '65. (MIRA 19:1)

1. Institut matematiki imeni Romanovskogo AN UzSSR. Submitted April 7, 1965.

S/041/62/014/003/005/005
B172/B186

AUTHOR: Fayzibayev, E. F. (Kiyev)

TITLE: The problem of constructing stationary solutions for certain oscillatory systems with one degree of freedom

PERIODICAL: Ukrainskiy matematicheskiy zhurnal, v. 14, no. 3, 1962, 340 - 348

TEXT: The equations examined have the form

$$\frac{d^2x}{dt^2} + k\frac{dx}{dt} + (\alpha + \gamma_1 x^2)x = \varepsilon(\beta + \gamma_2 x^2)\frac{dx}{dt} + R\sin\omega t \qquad (1)$$

where ε is a small parameter. Approximate solutions of the form

$$x(t) = C + A\sin(m\omega t + \varphi) + B\sin(n\omega t + \psi) \qquad (2)$$

are sought, and conditions are given under which this formulation can finally be expressed by

$$x = C + A\sin(2\omega t + \varphi) + B\sin(\omega t + \psi) \qquad (24).$$

Card 1/2

The problem of constructing...

There are 5 figures. The most important English-language reference is: R. Skalak, M. I. Yarymovych, (Subharmonic oscillations of a pendulum, J. Appl. Mech. Ser. E, no. 1, 1960).

SUBMITTED: March 13, 1962

Card 2/2

40555

S/166/62/000/004/002/010
B112/B186

11.3400,

AUTHOR: Fayzibayev, E. F.

TITLE: The problem of oscillations in systems close to exactly integrable systems

PERIODICAL: Akademiya nauk Uzbekskoy SSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 4, 1962, 17 - 21

TEXT: The author considers an oscillation process which is described by the equation

$$d^2x/dt^2 + f(\tau,x) = \varepsilon F(\tau,x,dx/dt,\varepsilon) \qquad (1)$$

($\tau = \varepsilon t$). The amplitude a and the phase ψ are correlated with two given functions u_1 and v_1 by the relations $a = a_1 + \varepsilon u_1(\tau,\psi_1,a_1)$ and $\psi = \psi_1 + \varepsilon v_1(\tau,\psi_1,a_1)$, where a_1 and ψ_1 satisfy a system of the form

$$\left.\begin{aligned} da_1/dt &= \varepsilon\Phi_{10}^{(0)}(\tau,a_1), \\ d\psi_1/dt &= \omega(\tau,a_1) + \varepsilon[\omega_a'(\tau,a_1)u_{10}(\tau,a_1) + \Phi_{20}^{(0)}(\tau,a_1)]. \end{aligned}\right\} \qquad (3)$$

Card 1/3

The problem of oscillations in...

The functions $\phi_{10}^{(o)}$ and $\phi_{20}^{(o)}$ are solutions to the equation of the unperturbed motion. These solutions, however, cannot be determined in all cases. Therefore, the author expresses the right-hand sides of the system (3) by known functions of f and F. The following result is obtained:

$$d\psi_1/dt = \omega(\tau,a_1) + \varepsilon\omega_a'(\tau,a_1)u_{10}(\tau,a_1) - \varepsilon\int_{-a}^{a}\frac{(P+Q)(M-N)Q_\omega}{2\varepsilon N\int_{-a}^{a}(P-Q)dz}dz,$$

where

$$M = \sqrt{2[v(\tau,a)-v(\tau,z)]}\cdot\left(\sqrt{2[v(\tau,a)-v(\tau,z)]}\right)',$$

$$N = v_\tau'(\tau,a) - v_\tau'(\tau,z),$$

$$P = F\left(\tau,z,-\sqrt{2[v(\tau,a)-v(\tau,z)]},\ 0\right) -$$

$$-F\left(\tau,z,\sqrt{2[v(\tau,a)-v(\tau,z)]},\ 0\right),$$

Card 2/3

The problem of oscillations in...

$$Q = 2\frac{v_x'(\tau, a) - v_x'(\tau, z)}{\sqrt{2[v(\tau, a) - v(\tau, z)]}},$$

$$r = 2\pi v_x'(\tau, a), \quad s = v_x'(\tau, z).$$

$$v(\tau,x) = \int_0^x f(\tau,x)dx. \qquad (6).$$

ASSOCIATION: Institut matematiki im. V. I. Romanovskogo AN UzSSR
(Institute of Mathematics imeni V. I. Romanovskiy AS UzSSR)

SUBMITTED: December 30, 1961

Card 3/3

FAYZIBAYEV, E.F.

Solution of a certain type of nonlinear differential equation.
Pribl. metod. resh. diff. urav. no.1:126-128 '63
(MIRA 18:2)

L 18561-63 EWT(1)/BDS AFFTC/ASD/IJP(C)

ACCESSION NR: AP3003325 S/0041/63/015/002/0223/0227

52

AUTHOR: Fayzibayev, E. F. (Kiev)

TITLE: Study of unstable processes in an essentially nonlinear oscillating system

21

SOURCE: Ukrainskiy matematicheskiy zhurnal, v. 15, no. 2, 1963, 223-227

TOPIC TAGS: nonlinear equation, approximation, least square

ABSTRACT: The author approximates the system (1) $\frac{d^2x}{dt^2} + F(x) = P(t)$,

where $F(x) = kx + f(x)$ by the system (2)

$$\frac{d^2x_1}{dt^2} + g_1(x_1) = P(t) \text{ for } |x| < x_{l_1},$$

$$\frac{d^2x_2}{dt^2} + g_2(x_2) = P(t) \text{ for } x_{l_1} < |x| < x_{l_2},$$

. . . . . .

$$\frac{d^2x_n}{dt^2} + g_n(x_n) = P(t) \text{ for } x_{l_{n-1}} < |x| < x_{l_n},$$

Card 1/2

L 18561-63
ACCESSION NR: AP3003325

(1)

where the g_i are linear functions, the x_{t_i} are amplitudes of transfer and n is the number of straight line segments. The choices are made via an ad hoc least squares principle with no proof that the solution of (2) bears any relation to the solution of (1). Orig. art. has: 29 formulas.

ASSOCIATION: none

SUBMITTED: 08Oct62 DATE ACQ: 24Jul63 ENCL: 00

SUB CODE: MM NO REF SOV: 008 OTHER: 001

Card 2/2

FAYZIBAYEV, E.F.

Some properties of solutions to nonlinear second-order differential equations close to exactly integrable ones. Izv. AN Uz. SSR.Ser. fiz.-mat.nauk 8 no.5:33-36 '64. (MIRA 18:2)

1. Institut matematiki imeni Romanovskogo AN UzSSR.

KHASANOV, A.Kh., FAYZIYEV, A.R.

Formation of fluorite veins in connection with metasomatic albitization in the southern part of the Gissar and Karategin Ranges (southern Tien Shan). Dokl. AN SSSR 162 no.4:922-924 Je '65. (MIRA 18:5)

1. Tadzhikskiy gosudarstvennyy universitet im. V.I.Lenina. Submitted January 29, 1965.

FAYZIYEV, E.

Method for computing syndinames and synchrones in comet tails of the second and third types. Biul.Inst.astrofiz.AN Tadzh.SSR no.34:29-58 '62. (MIRA 16:5)

(Comets)

FAYZIYEV, E.

Tail of Wilson's comet (1961 d). Astron. tsir. no.229:5-8 Je '62. (MIRA 16:6)

1. Institut astrofiziki AN Tadzhikskoy SSR.
(Comets--1961)

FAYZIYEV, E.

Graphic method for approximate solution of the reverse problem in the mechanical theory of comet forms. Biul. Inst. astrofiz. AN Tadzh. SSR no.35:22-31 '63. (MIRA 17:5)

FAYZIYEV, E.

Graphic solution of the inverse problem in the mechanical theory of comet forms. Biul.Inst.astrofiz. AN Tadzh.SSR no.37:3-25 '64. (MIRA 18:2)

FAYZIYEV, M.

Seventh Conference of Graduate Students of the Uzbek Academy of Students. Izv.AN Uz.SSR no.7:97-99 '56. (MIRA 14:5)
(Science—Congresses)

FAYZIYEV, N.

Several problems of the formation of new cities in Uzbekistan. Nauch. trudy TashGU no.251. Trudy Nauch.-issl. otd. Geog. fak. no.3:18-23 '64. (MIRA 18:3)

FAYZIYEV, Kh.F., aspirant

Problem of the large parietal foramina. Med.zhur.Uzb. no.12: 57-59 D '58. (MIRA 13:7)

1. Iz kafedry rentgenologii i meditsinskoy radiologii (zav. - prof. D.M. Abdurasulov) Tashkentskogo gosudarstvennogo instituta usovershenstvovaniya vrachey.
(SKULL--ABNORMITIES AND DEFORMITIES)

FAYZIYEV, M.K.

The equation of the field of crystallization of bloedite. M. K. Faiziev. *Trudy Srednaziat. Gosudarst. Univ.* (Tashkent) 33, No. 4, 39–47(1952).—On the basis of the soly. of $Na_2SO_4.MgSO_4.4H_2O$ in the system $NaCl$–$MgSO_4$–H_2O at 25°, the empirical equation for its field of crystn. is $N_{MgSO_4} = 0.02444 \times^{2.100} + 0.007$. H. M. L.

FAYZIYEV, M.K.

Solubility of astrakanite in the system: NaCl -- $MgSO_4$ -- H_2O at 25°C. Trudy SAGU no.33:49-55 '52. (MLRA 9:5)
(Bloedite)

FAYZIYEV, M.K.

Empirical equations for crystallization fields in the system NaCl-$MgSO_4$-H_2O at 25°. M. K. Fayziev. *Doklady Akad. Nauk Uzbek. S.S.R.* 1954, No. 3, 17-21; *Referat. Zhur., Khim.* 1955, No. 1815.--Empirical equations (Cf. Pozner, *C.A.* 42, 2166*i*) were found for the crystn. fields of mirabilite (deviation of calcd. from exptl. data appreciable), thenardite (deviation for most points ± 1%), NaCl (no. of points with a deviation over 6% appreciable), and epsomite (deviation for some points very appreciable). With the aid of the empirical equation for the crystn. field of a salt derived on the basis of its soly. in a quaternary system could be calcd., in some instances, the soly. of this salt in ternary and binary systems. The derivation and use of Pozner equations is discussed.

M. Hosh

FAYZIYEV, M.

Empirical formula for solubility of glaserite in Na_2SO_4 - KCl - H_2O system at 25°C. Dokl. AN Uz. SSR no.1:27-31 '57. (MIRA 11:5)

1.Sredneaziatskiy gos. universitet im. V.I. Lenina.
Predstavleno akad. AN UzSSR A.Yu. Yunusovym.
(Aphthitalite) (Sodium sulfate)
(Potassium chloride)

FAYZIYEV, M.K.

E. Pozner's empirical solubility equations. Uzb. khim. zhur. no.3:15-19 '59. (MIRA 12:9)

1.Sredneaziatskiy gos. universitet im. V.I. Lenina i Institut khimii AN UzSSR.
(Solubility)

FAYZIYEV, M.K.; ASAMOV, K.A.

E.I. Pozner; on the tenth anniversary of his death. Uzb. khim. zhur. no.3:73-75 '59. (MIRA 12:9)
(Pozner, Evgenii Iosifovich, 1885-1949)

POYARKOV, N.F.; FAYZIYEV, M.K.

Study of the salt deposits of Uzbekistan. Uzb.khim.zhur. no.6: 83-84 '59. (MIRA 13:4)

1. Institut khimii AN UzSSR.
(Uzbekistan--Salts)

FAYZIYEV, M. K

Generalization of solubilities in the system Na_2SO_4 - K_2SO_4 - H_2O at 25°. Dokl.AN Uz.SSR no.12:21-23 '59. (MIRA 13:5)

1. Sredneaziatskiy gosuniversitet imeni V.I.Lenina. Predstavleno chlenom-korrespondentom AN UzSSR I.P. TSukervanikom.
(Alkali metal sulfates)
(Solubility)

FAYZIYEV, M.M.

Simple method for determining average labor productivity of a worker in case of combined coal mining processes. Izv.AN Uz.SSR.Ser.tekh.-nauk 6 no.1:85-88 '62. (MIRA 15:2)

1. Institut gornogo dela AN SSSR.
(Coal mines and mining--Labor productivity)

FAYZIYEV, M.M., inzh.; RADIONOVSKIY, V.L., inzh.

Coordination conference on the planning of hydraulic mines. (MIRA 15:2)
Ugol' Ukr. 6 no.2:47 F '62.
(Hydraulic mining)

CHURILOV, A.A.; FAYZIYEV, M.M.

Selecting efficient methods for the grouping of steep seams.
Izv. AN Uz. SSR. Ser. tekh. nauk 8 no.3:74-80 '64.
(MIRA 17:11)

1. Institut gornogo dela imeni A.A. Skochinskogo Gosudarstvennogo komiteta Soveta Ministrov SSR po toplivnoy promyshlennosti.

FAYZIYEV, M.M.; GRIGOR'YEV, V.I.; SEMYKOV, I.F.

Rock pressure and its effect on wall rock and the behavior of supports at great depths. Izv. AN Uz. SSR. Ser. tekh. nauk 9 no.2:84-89 '65. (MIRA 18:8)

1. Institut gornogo dela im. A.A.Skochinskogo Gosudarstvennogo po toplivnoy promyshlennosti pri Gosplane SSSR.

FAYZIYEV, R.F.

An m-tuple "Eratosthenic sieve" for the elimination of m-adic numbers of the first order ($P_{2,4,\ldots,2k}$) and the second order ($P_{4,2\ldots,2k}$). Nauch. trudy Tashkent no.228:101-106 '63. (MIRA 18:7)

FAYZIYEV, S. A.

The Function of the Pancreas During Lingering Disorders of the Intestines Under the Conditions Prevalent in Central Asia." Cand Med Sci, Tashkent State Medical Inst imeni V. M. Molotov, Tashkent 1954. (KL, No 7, Feb 55)

SO: Sum, No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertation Defended at USSR Higher Educational Institutions. (14)

FAYZIYEV, S.M.; UZHDAVINI, M.R.

Natural conditioned salivary reflexes in sheep. Trudy Inst. fiziol. 4:176-182 '55. (MLRA 9:4)

1.Laberateriya ekologicheskoy fiziologii. Zaveduyushshiy A.D.Slonim.
(Conditioned response) (Salivary glands) (Sheep)

FAYZIYEV, S. M., Cand Biol Sci -- (diss) "Unconditional and natural conditional salivary nutritive reflexes in sheep of the breeds Romanov and Karakul." Len, 1957, 17 pp (Acad Sci USSR. Inst of Physiology im I.P. Pavlov) 100 copies (KL, 23-58, 104)

FAYZIYEV, S. M.

Unconditioned and natural conditioned salivary food reflexes in Romanov and Karakul sheep. Opyt. izuch.reg.fiziol.funk. 4:44-53 '58. (MIRA 12:4)

1. Laboratoriya ekologicheskoy fiziologii (zaveduyushchiy - prof. A.D. Slonim) Instituta fiziologii imeni I.P. Pavlova AN SSSR i Laboratoriya ekologicheskoy fiziologii zhivotnykh (zaveduyushchiy kand. biol. nauk G.I. Alekseyeva) Instituta zoologii i parazitologii AN Uzbekskoy SSR.
(SHEEP--PHYSIOLOGY) (SALIVARY GLANDS)

FAYZIYEV, S

Dissertations. Dept. of Biological Sciences, Jul-Dec 1957.
Vest. Ak Nauk SSSR, 1958, No. 4, pp. 120-22.

At the Inst. of Physiology im. I. P. Pavlov the following dissertations were defended:

for the degree of Doctor of Biological Sciences:

TROSHIKHIN, V. A. - Development of the Conditioned Activity of the Reflector in the Early Postnatal Period in Dogs.

KHARCHENKO, P. D. - Delayed Conditioned Reflexes/ Analysis of Retardation.

for the degree of Doctor of Medical Sciences:

PROSHINA, M. M. - On the Problem of the Control Mechanism of the Water Metabolism.

for the degree of Cand. of Medical Sciences:

FAYZIYEV, S. - Unconditioned and Naturally Conditioned Nutritive Sputum Reflex in Sheep of the Rommov- and Karakul Breed.

CHUBKOVSKIY, L. A. - On the Trophic Innervation of the Ovaries and the Uterus of the Rabbit.

FAYZIYEV, Sh.

Aid rendered by Kazakhstan to the anti-Fascist uprising of 1923 in Bulgaria. Vest. AN Kazakh. SSR 21 no.7:21-27 Jl '65.
(MIRA 18:8)

COUNTRY	:	USSR R
CATEGORY	:	Diseases of Farm Animals. Diseases Caused by Helminths
ABS. JOUR.	:	RZhBiol., No. 6 1959, No. 26002
AUTHOR	:	Ayupov, Kh. V.; Fayzrakhmanov, A. G.
INST.	:	Kazan Scientific Research Veterinary Institute
TITLE	:	Use of Difluorotetrachloroethane in Fascioliasis of Sheep
ORIG. PUB.	:	Byul. nauchno-tekhn. inform. Kazansk. n.-i. vet. in-ta, 1958, No 3, 42-43
ABSTRACT	:	The experiment was carried out on 1,735 sheep affected with fascioliasis. Difluorotetrachloroethane ($C_2F_2Cl_4$), known as Freon 112, was introduced into the rumen in a dose of 0.3-0.4 ml/kg. Extensity effectiveness of the preparation amounted to 68-89% and intensity effectiveness was about 90%. Side effects were not observed.
CARD:		1/1

FAYZRAKHMANOV, M. S.

Fayzrakhmanov, M. S.

"Investigation of the effectiveness of using the pheumatic shock-rotary method of drilling holes in the ore mines of the Leninogorsk polymetal combine." Acd Sci Kazakh SSR. Inst of Metallurgy and Ore Dressing. Alma-Ata, 1954. (Dissertation for the Degree of Candidate in Technical Sciences.)

Knizhnaya letopis'
No. 15, 1956. Moscow.

S.

TEBENT'YEV, V.; MAYER, P.; FAYZRAKHMANOV, M.; KALOSHIN, S.; RADCHENKO, L.; AKHMETOV, M.; MUSIN, A.Ch., Kandidat tekhnicheskikh nauk, otvetstvennyy redaktor; OSADCHIY, F.Ya.; POPOKINA, Z.P., tekhnicheskiy redaktor

[Experience in oil well drilling with pneumatic percussion rotary equipment] Opyt bureniia skvazhin pnevmaticheskim udarno-vrashchatel'nym sposobom. Alma-Ata, Izd-vo Akademii nauk Kazakhskoi SSR, 1956. 79 p. (MLRA 9:7)

(Oil well drilling)

FAYZRAKHMANOV, M.S.

Pneumatic-percussion hole boring by means of PBA-1 and BMIU-16 boring machines. Trudy Inst. gor. dela AN Kazakh. SSR 1:44-54 '56. (MIRA 11:1)

(Boring machinery--Pneumatic driving)

FAYZNEV, Kh., Cand Med Sci -- (diss) "Knee joint in tomographic image." Tashkent, 1960. 16 pp; (Ministry of Public Health Uzbek SSR, Tashkent State Medical Inst); 300 copies; price not given; (KL, 51-60, 122)

FAYZULAYEV, B.

USSR/ Electronics

Card 1/1 Pub. 89 - 32/32

Authors : Gaft, M., Varskiy, B., Fayzulaev, B., and Leonov, K.

Title : Exchange of experiments

Periodical : Radio 2, pages 24, 33 43, and 58, Feb 1955

Abstract : The following innovations and devices are briefly described: a triode converter for the 6N15P tubes used in amateur television sets and UHF radio receivers; a universal brace for holding coil bodies in place on a winding machine; a method for eliminating self-excitations in an intermediate frequency amplifier; and a method for calibrating scales on measuring instruments. Circuit diagrams; drawings.

Institution: .....

Submitted: .....

FAYZULAYEV, B.N

621.375.232.3

4365. Design of a cathode follower for pulse operation. B. N. Fayzulayev. *Radiotekhnika*, 10, *No.* 5, 39–49 (1955) In Russian.

A trapezoidal pulse with amplitude V_i and rising edge time t_e is applied to the cathode follower (c.f.) with given cathode resistance R_k and capacitance C_k. Simplifying assumptions are made which permit the treating of c.f. as an integrating circuit and the evaluation of the shape and lag of the pulse at the output. The optimum conditions, consisting of the least distortion of pulse, are found for given valve constants, and given values of R_k and C_k and of input and output voltages. These values are discussed for homopolar pulses, but they are also valid for bipolar pulses. The equivalent input capacitance is found. It is shown that when the time lag and distortion of the rising edge of the pulse is not taken into account, it gives erroneous values of input capacitance for rising edges of short duration. The same effect of rising edge lag will occur with h.f. sinusoidal waves and must be taken into account in the calculations of output voltage and equivalent input capacitance.

M. W. MAKOWSKI